

California Department of Transportation

District 10

Storm Water Management Program Regional Work Plan 2005/2006

For

Lahontan Regional Water Quality Control Board



April 1, 2005

CTSW-RT-05-132-16.1



**CALIFORNIA DEPARTMENT
OF TRANSPORTATION
DISTRICT 10**

**Certification
Regional Work Plan 2005/2006**

**California Regional Water
Quality Control Board
Lahontan Region**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

Kome Ajise
Kome Ajise, District Director

2/28/05
Date

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1.0 INTRODUCTION

The purpose of the RWP is to describe how the Department will specifically implement the Statewide Storm Water Management Program (SWMP) within the jurisdiction of each Regional Water Quality Control Board (RWQCB) during Fiscal Year 2005/2006 as required by the *Caltrans Statewide Storm Water NPDES Permit – Order No. 99-06-DWQ* (Permit). Implementation activities will be conducted in accordance with the procedures presented in the SWMP. The RWP indicates how District storm water management practices will be modified to improve water quality protection based on evaluation of the previous studies and management activities.

The RWP provides region-specific information on the Department's facilities, water bodies, and Best Management Practices (BMPs), and monitoring programs according to the following sections:

- Section 1 – Introduction;
- Section 2 – Personnel and Responsibilities;
- Section 3 – District Facilities and Water Bodies;
- Section 4 – High Risk Areas; and
- Section 5 – Implementation Activities.

2.0 DEPARTMENT PERSONNEL AND RESPONSIBILITIES

Portions of District 10 fall within the jurisdiction of the Lahontan RWQCB. The Districts 5, 6, 10 and Central Region Storm Water Organizational Chart is included as Figure 2-1 on page 2-2. Staff responsible for implementing the SWMP within the Lahontan Region jurisdiction are listed in Table 2-1.

TABLE 2-1: DEPARTMENT STORM WATER PERSONNEL AND RESPONSIBILITIES

Staff	Title	Phone Number	E-Mail Address	Responsibilities
Marc Boswell	Central Region Storm Water Coordinator	(559) 243-3565	Marc_Boswell@dot.ca.gov	Primary contact for all Central Region storm water issues.
Kerry Molz	District 10 NPDES Coordinator	(209) 942-6167	Kerry_Molz@dot.ca.gov	Primary contact for all District 10 storm water issues.
Rudy Chavez	Central Region Construction Storm Water Coordinator	(559) 244-2560	Rudy_Chavez@dot.ca.gov	Primary contact for construction-related storm water issues.
Allan Shafer	District 10 Maintenance Storm Water Coordinator	(209) 948-3725	Allan_Shafer@dot.ca.gov	Primary contact for maintenance-related storm water issues.

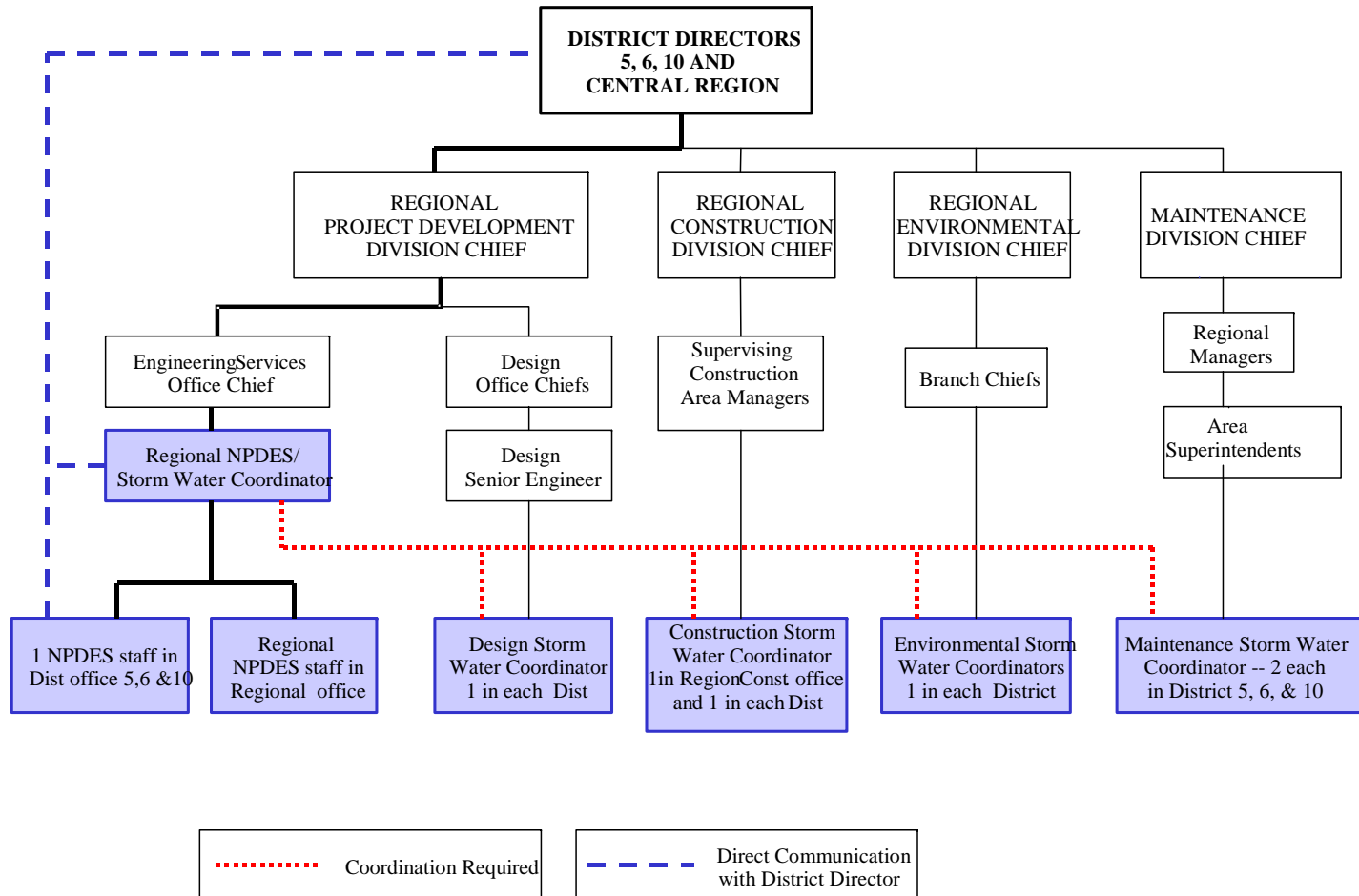
In compliance with Permit Section M.10.b, the following positions listed in Table 2-2 are authorized to sign the documents, reports and other information submitted by the District to either the SWRCB or the RWQCB(s).

TABLE 2-2: SIGNATORY AUTHORITY FOR KEY DOCUMENTS

Positions or Individuals	Documents Authorized for Signature
District Director	All District-related storm water documents.
Regional Storm Water Coordinator	All Central Region storm water-related documents except Regional Work Plan and Annual Report Certifications.
Design Engineer	Notification of Construction
Maintenance Superintendent	Maintenance activity reports.
Construction Senior or Resident Engineer	Amendments to NOC; SWPPP approval; NOCC

FIGURE 2-1: ORGANIZATIONAL CHART

FIGURE 2-1: DISTRICTS 5, 6, 10 and CENTRAL REGION
STORM WATER ORGANIZATIONAL CHART



3.0 DISTRICT FACILITIES AND WATER BODIES

This section identifies the Department's facilities and water bodies within each District and Regional Board jurisdiction. A list of the Department's facilities, excluding roadways, is presented in Table 3-1. A map showing District 10 boundaries within the Lahontan RWQCB and major roads and highways are presented in Figure 3-1 below.

TABLE 3-1: DISTRICT 10 FACILITIES

CO	Route	PM	Name	Comments
Maintenance Stations				
ALP	88	21.7	Woodfords	Highway Maintenance
Vista Points				
ALP	88	5.6	Carson Pass	Vista Point
Commercial Vehicle Enforcement Facilities				
None				
Safety Roadside Rest Areas				
None				
Park And Ride Facilities				
None				
Sand And Salt Staging Areas				
ALP	88	13.4	Picketts	Sand and Salt Storage
Snow Storage Sites				
None				
Toll Road And Toll Bridge Plazas				
None				

Lists and maps of the Department of Water Resource Hydrologic Units located within the coverage area are presented in Appendix A of the SWMP. Specific information on the Department's facilities and water bodies may also be found at the following website: <http://stormwater.water-programs.com/Research.htm>

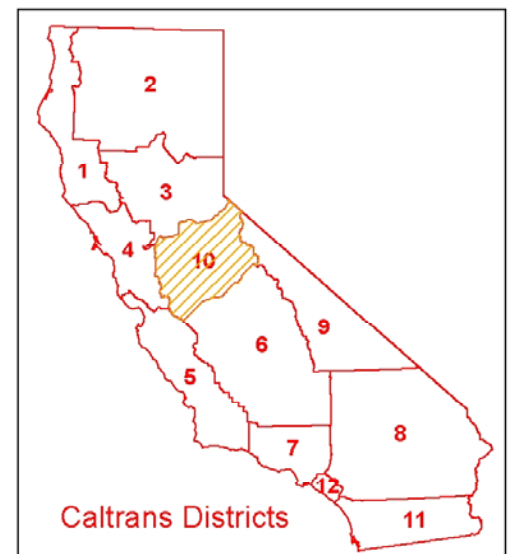
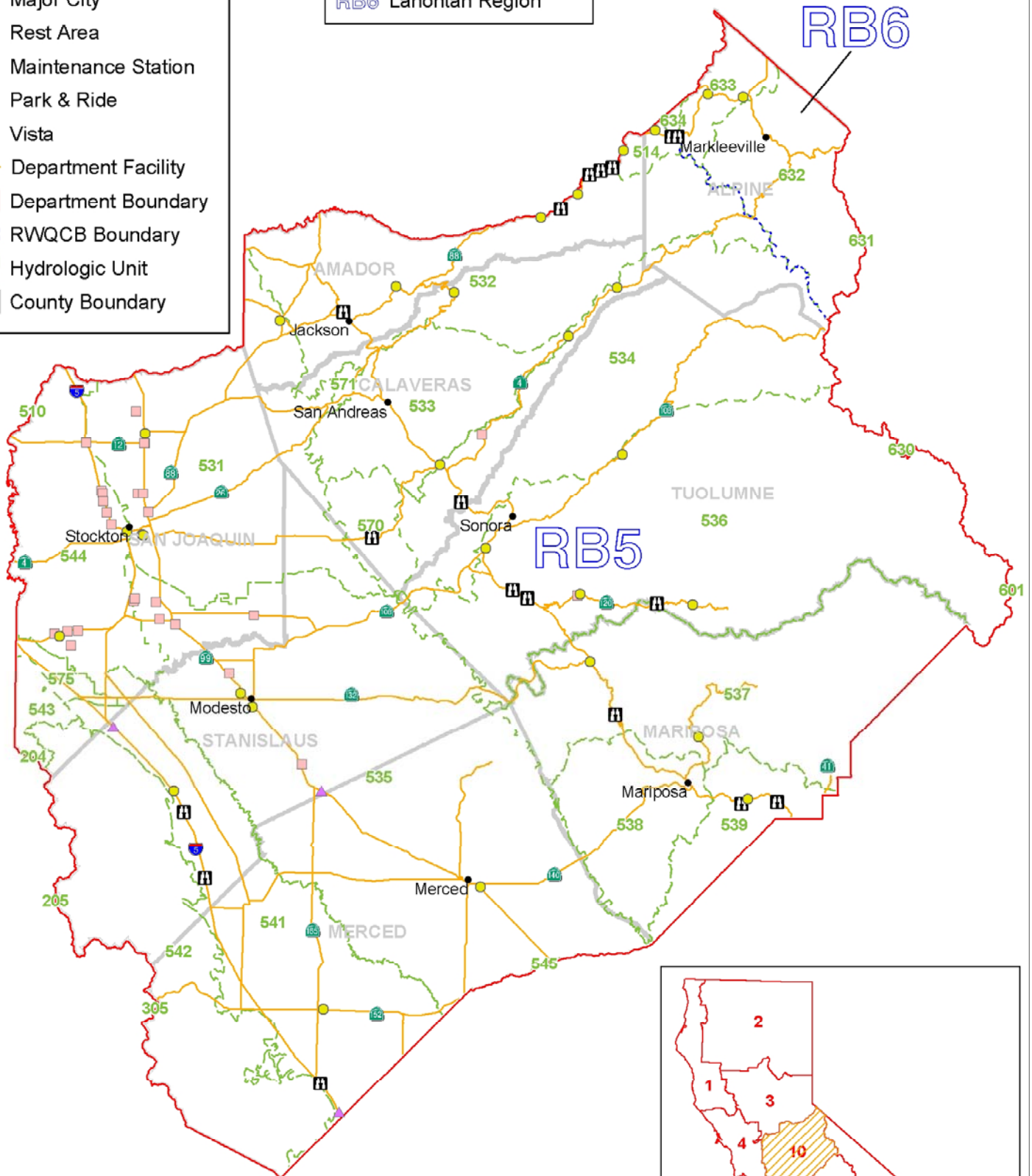
Legend

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- Vista
- Department Facility
- ▭ Department Boundary
- ▭ RWQCB Boundary
- ▭ Hydrologic Unit
- ▭ County Boundary

RWQCB Index

RB5 Central Valley Region

RB6 Lahontan Region



**Figure 3-1
District 10 RWQCB and H.U. Boundaries**

4.0 HIGH RISK AREAS

A list of high-risk areas within District 10 is presented in Table 4-1. High-risk areas are defined in Section E.2 of the Permit to include areas such as locations where spills from the Department's owned right-of-ways, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Additional sites may be added to the high-risk list based on discussion between the RWQCB and the Department. The Permit requires consideration of appropriate spill containment and spill prevention control measures for these areas.

In order to generate the list of high-risk municipal and domestic water supply reservoirs and ground water percolation facilities the Department first contacted known public and private water supply providers. From the information received, the Department determined which facilities were susceptible to a direct spill from a Department activity or facility. This determination was based on proximity between the water body and the Department's facility, use characteristics of the facilities, and the probable spill response time.

The Department will consider and implement spill containment and prevention control measures in accordance with the processes contained in the SWMP including Section 3 for BMP identification and implementation, Section 4.4.1 for new construction projects or Section 4.4.2 for retrofit projects that are within these areas.

TABLE 4-1: HIGH RISK AREAS

Road Segment/ Facility	County	High Risk Area	Description	Comments
N/A	N/A	N/A	N/A	No High Risk Areas were identified within the District 10 Lahontan Region.

5.0 IMPLEMENTATION ACTIVITIES

This section presents specific project work planned for the year and indicates BMP implementation improvements. The anticipated schedule of construction and maintenance activities is subject to change. The Department will discuss with the RWQCBs new projects meeting the criteria listed below when ground disturbance takes place or when major maintenance activities are initiated during the year.

Mr. Mark Rayback, Chief, Environmental Engineering, California Department of Transportation, and Mr. Harold Singer, Executive Officer, California Regional Water Quality Control Board, Lahontan Region, agreed the Department would submit SWPPPs or WPCPs for all projects located within the Lake Tahoe Hydrologic Unit to the Lahontan Regional Board for their review and requested modifications no later than 30 days prior to beginning construction activities. District 10 lies entirely outside the Lake Tahoe Hydrologic Unit boundaries, and therefore, has no projects to report.

Table 5-1 lists District 10 eastern Alpine County projects that meet one or more of the following criteria:

- The project involves greater than 5 acres of land disturbance, designated as “DSA”;
- The project affects a 303(d) listed water body within the project limits, designated as “303d”;
- The project requires a 401 Water Quality Certification or Waiver, designated as “401”;
- The project is a Supplemental Environmental Project (water quality project negotiated by the RWQCB and the Department) designated as “SEP”;
- The project is a storm water retrofit project (SWMP Section 4.4.2), designated as “Retro”;
- The project limits are within a “High Risk Area,” designated as “HR”; and
- The project is designated by a RWQCB as posing a potential threat to water quality, designated as “RB”.

Table 5-1 is intended to facilitate early RWQCB staff input in the project-planning phase in accordance with Section L.8 of the Permit and Section 4.4 of the SWMP. The goal is to resolve water quality issues that may affect project funding, permitting, and scheduling. In addition, projects that require RWQCB review and approval of project SWPPPs/WPCPs in accordance with Sections H.8 and L.8 of the Permit are also covered in Table 5-1.

Table 5-2 presents a list of anticipated major maintenance projects that have the potential to impact water quality and provides early notification of such activities. It also includes region-specific issues and BMP actions/modifications based on program evaluations discussed in current and/or past Annual Report(s). A legend is provided for Tables 5-1 and 5-2 that identifies abbreviations used for the project criteria.

Table 5-3 summarizes various program management activities that are part of the storm water pollution prevention program.

SECTION FIVE

Regional Work Plans

TABLE 5-1: DISTRICT 10 ANTICIPATED PROJECT DEVELOPMENT/CONSTRUCTION SCHEDULE

SWMP Category**	EA	Co.	Route	Begin/End PM	Description	Water Bodies Impacted by Project	Criteria*	Anticipated Project Delivery Schedule		Construction Period	
								PA&ED Date	PS&E Date	Start Date	Completion Date
No District 10 projects in Lahontan RWQCB											

Table 5-1 Legend

*** Criteria**

- DSA = Disturbed Soil Area is greater than 5 acres.
- 303d = 303 (d) listed water body within project limits and affected by project
- 401 = 401 Certification/Waiver required
- SEP = Supplemental Environmental Project
- Retro = Storm Water Retrofit Project (SWMP 4.4.2)
- HR = Project limits within High Risk Area
- RB = RWQCB designated project as a potential threat to water quality

**** SWMP Category is defined in SWMP Section 4.4.1, Table 4-3,**

- (A) Beginning of Project Development Process prior to approval of the PSR
- (B) PSR approved but Environmental Documents are not final
- (C) Environmental Documents are final
- (D) Environmental documents final, design complete and project in the construction phase of project delivery

Note: All projects that do not require a SWPPP will require a WPCP

TABLE 5-2: ANTICIPATED MAINTENANCE ACTIVITIES AND OTHER MANAGEMENT PRACTICES

Major Road Maintenance Activities (1)							
County	Route	PM	Description	Water Bodies Affected	Criteria(2)	Start Date	Completion Date
Alp	88	14.00 – 21.00	AC Paving and lateral support	E Fork Carson River, Indian Creek, Markleeville Creek	NA	NA	NA
Maintenance Facility and Activity Inspections							
Three Maintenance Activities are scheduled for review, including paving, shoulder backing, and crack sealing.							
Maintenance Facility BMP Improvements							
No planned improvements at this time.							
Maintenance BMP Actions/Modifications							
Shoulder maintenance improvements							
Vactor waste disposal							
Snow and Ice removal							
Road Grinding Reuse							
Vegetation Management and Vegetated Slope Management							
<p>The District's Vegetation Control Plan (VCP) for FY 2005/2006 is under development. The goal of the District's 05-06 VCP is to minimize the discharge of chemicals to receiving waters by reducing chemical use for vegetation control. The district VCPs are under development at this time. They include the following:</p> <ul style="list-style-type: none"> • Type of chemical to be applied • Applications locations, widths, total acres applied, frequency, amount totals • Reason for application <p>The Department continues to inspect approximately 20% of the District's slopes on an annual basis in order to achieve inspection of all slopes within a five-year period. The results of the inspections will be reported in the Annual Report.</p>							

(1) Major road maintenance activities includes projects involving grade changes, additional hydraulic capacity, direct discharges to surface waters, increases in impervious surface area, or other activities identified or agreed to between RWQCB and Department staff.

(2) Criteria

401 = 401 Certification/Waiver required

TABLE 5-3: GENERAL MANAGEMENT PRACTICES

Monitoring Activities
Monitoring activities will be conducted in accordance with the statewide program described in the Storm Water Monitoring & Research Program Characterization Monitoring Plan FY 2004-2005. See Annual Report.
Construction Compliance Monitoring Program
Construction activities are inspected through the Construction Compliance Monitoring Program. Monitoring results are provided in the Construction Compliance Review Task Force annual report.
Training and Public Outreach
<u>Maintenance:</u> On-going training on storm water issues will be provided to crews through the BMP Tailgate meetings every ten days or change of activities.
Four- hour SW training given to the Maintenance Crews including shop personnel and field mechanics. Superintendents and management receive a two-hour training course.
<u>Construction:</u> For FY 05/06 Central Region Construction plans to train all construction field staff on storm water pollution construction that has not been previously trained. This includes staff that missed training during 04/05 and new hires. New training modules will be developed for Phase II permit changes and Sampling and Analyses requirements.
<u>Adopt-A-Highway:</u> The Department's Adopt-A-Highway program is a continual reminder to participants and to the public of pride in their public property and of the unacceptability of proliferation of litter.
Pending Headquarters approval and disbursement of funds, the Central Region will: 1) develop and distribute five distinctive storm water pollution prevention informational fact sheets to be utilized for MS4 coordination and public education activities; one fact sheet will be developed and distributed to address the unique water quality challenges presented by each RWQCB office within the Central Region; 2) develop content for, and purchase a portable storyboard to be used for presentations and static displays for permit-related public education efforts; and 3) purchase three notebook computers and two portable digital projectors to be used for permit-related training, presentations, MS4 coordination, and other activities where computing portability is necessary to achieve permit compliance.
Municipal Coordination
Municipal counterparts are notified of spills on Department property that might affect them. Representatives of municipalities and other local agencies are encouraged to attend and participate in Department Maintenance training meetings. Contacts are promoted to allow Department participation in other agency training. Maintenance Supervisors are encouraged to establish networks with local agencies. The Department Permits Department is included in Maintenance and Construction training, and a mentoring effort is made with Permits engineers, inspectors, and their permittees.
District personnel will attend meetings and workshops as needed for Total Maximum Daily Loads (TMDLs) where the Department has been identified as a potential Stakeholder. Coordination will continue as needed with other potential Stakeholders and the Regional Board.
See Training and Public Outreach above for additional planned municipal coordination activities.